North Carolina Department of Health and Human Services
Division of Public Health • Epidemiology Section
Communicable Disease Branch



Patient's Last Name



Middle

ENCEPHALITIS, ARBOVIRAL, LAC
Confidential Communicable Disease Report—Part 2
NC DISEASE CODE: 96

First

ATTENTION HEALTH CARE PROVIDERS:

Please report relevant clinical findings about this disease event to the local health department.

Alias

Birthdate (mm/dd/yyyy)

SSN

REMINDER to Local Health Department staff: If sending this form to the Health Care Provider, remember to attach a cover letter from your agency indicating the part(s) of the form the provider should complete.

Maiden/Other

Suffix

NC ED LAB R	SS ESULTS	\	erify if la	ab res	sults for this e	vent are in NC EDSS. If r	not present, en	ter results.		
Specimen Date	Specimen #	Specimen Source	Type of	Test	Test Result(s)	Description (comments)	Result Date	Lab Name—City/State		
/ /							1 1			
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1 1							/ /			
NC EDSS PART 2 WIZARD					INICAL FINDIN			REASON FOR TESTING		
Is/was patient statis disease: If yes, symptor CHECK ALL THA' Fever	UNICABLE DIS symptomatic fo? n onset date (m T APPLY: status clitis/ sphalitis ulsions peripheral ges (paresis) Generalize sis araralysis	######################################		EEG Date Res EMG Date Res Head Date Res MRI F Date Com this	performed	Y	Symptor Screenir risk factc Screenir no risk fact Honorisk	ng of asymptomatic person with actor(s) organ / tissue donor screening		

Patient's Last Name	First	Middle	Suffix	Maiden/Other	Alias	Birthdate (mm/dd/yyyy)
						SSN
HOSPITALIZATION INFORM Was patient hospitalized for this illness >24 hours?	sequelae (residual of report	BLOOD & During the 15 any of the fo Blood or b Blood or b Blood or b Blood or b Donated o Transplan No Unknown Type of dona Date receive Until date (m Frequency: Once Multiple ti Daily Facility/provi Contact nam Address City State Country	5 days prior to or ollowing health oblood products (tracova, sperm, organit recipient (tissue attion/transplant_ed (mm/dd/yyyy): imes within this time at facility:	XPOSURE RISKS nset, did the patient have care exposures? ansfusion) - recipient n, tissue, or bone marrow //organ/bone/bone marrow)	In what geographic MOST LIKELY expensive Specify location: In NC City County Outside NC, but City State County Outside US City Country Unknown Is the patient part of	within US
TRAVEL/IMMIGRATION The patient is: Resident of NC Resident of another state of Foreign Visitor Refugee Recent Immigrant Foreign Adoptee None of the above Did patient have a travel history List travel dates and destination From / to Additional travel/residency in	ory during the 	During the 15 patient have to mosquite Exposed or Until (mm/c) Frequency Once Multiple Daily City/county of State of expo	n (mm/dd/yyyy):/_dd/yyyy):/	for exposure Y N U / / _ / / / / U s time period	related to this dise. Vaccine type Unknown vaccine	e or immune globulin n (mm/dd/yyyy):// e information to illness onset was
		Was the pati Date of int Medical reco with provide Specify reas	terview (mm/dd/yy ords reviewed (in er/office staff)?	P	1	

Encephalitis or Meningitis, Arboviral (includes California serogroup, Eastern equine, St. Louis, Western equine, West Nile, Powassan)

2001 CDC Case Definition

Clinical description

Arboviral infections may be asymptomatic or may result in illnesses of variable severity sometimes associated with central nervous system (CNS) involvement. When the CNS is affected, clinical syndromes ranging from febrile headache to aseptic meningitis to encephalitis may occur, and these are usually indistinguishable from similar syndromes caused by other viruses. Arboviral meningitis is characterized by fever, headache, stiff neck, and pleocytosis. Arboviral encephalitis is characterized by fever, headache, and altered mental status ranging from confusion to coma with or without additional signs of brain dysfunction (e.g., paresis or paralysis, cranial nerve palsies, sensory deficits, abnormal reflexes, generalized convulsions, and abnormal movements).

Laboratory criteria for diagnosis

- Fourfold or greater change in virus-specific serum antibody titer, or
- Isolation of virus from or demonstration of specific viral antigen or genomic sequences in tissue, blood, cerebrospinal fluid (CSF), or other body fluid, or
- Virus-specific immunoglobulin M (IgM) antibodies demonstrated in CSF by antibody-capture enzyme immunoassay (EIA), or
- Virus-specific IgM antibodies demonstrated in serum by antibody-capture EIA and confirmed by demonstration of virus-specific serum immunoglobulin G (IgG) antibodies in the same or a later specimen by another serologic assay (e.g., neutralization or hemagglutination inhibition).

Case classification

Probable: an encephalitis or meningitis case occurring during a period when arboviral transmission is likely, and with the following supportive serology: 1) a single or stable (less than or equal to twofold change) but elevated titer of virus-specific serum antibodies; or 2) serum IgM antibodies detected by antibody-capture EIA but with no available results of a confirmatory test for virus-specific serum IgG antibodies in the same or a later specimen.

Confirmed: an encephalitis or meningitis case that is laboratory confirmed

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